

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A hydrocarbon-reforming catalyst, comprising:
a porous carrier body, formed from at least one oxide powder selected from the group consisting of magnesia, alumina, zirconia, titania and calcia; and
catalytic-activity particles, distributed on the surface of the porous carrier body ~~and produced by activating a complex oxide~~, wherein 80% or more of the catalytic-activity particles are 3.5 nm or less in size[[;]].

the catalytic-activity particles are produced by activating an oxidized catalytic-activity constituent, which is distributed in a complex oxide;

the complex oxide comprises (i) at least one catalytic-activity constituent selected from the group consisting of salts or compounds of at least one of Ni and Co, and (ii) at least one carrier-forming constituent selected from the group consisting of salts or compounds of at least one of Mg, Al, Zr, Ti and Ca; and

the complex oxide is formed by ~~co-precipitating~~ impregnating both the catalytic-activity constituent and the carrier-forming constituent on the surface of the porous carrier body, and ~~ealining~~ calcinating the porous carrier body having the catalytic-activity constituent and the carrier-forming constituent.

2. (Previously Presented) The hydrocarbon-reforming catalyst according to claim 1, wherein the catalytic-activity particles are Ni, Co or a mixture of Ni and Co.

3.-4. (Canceled)